

1 **WHAT IS CLAIMED IS:**

- 2 1. An in-line skate with a shock-absorbing device comprising:
3 a boot having a bottom; and
4 a chassis attached to the bottom of the boot and comprising
5 a wheel frame (10) with a top surface, a bottom surface, a
6 front end, a rear end, and a middle and having
7 a front wheel well (11A, 11B) formed on the bottom
8 surface at the front end; and
9 multiple front wheels (12) mounted rotatably in a line
10 in the front wheel well (11A, 11B);
11 a rear wheel bracket (20) pivotally attached to the wheel frame
12 (10) near the middle, extending toward the rear end of the wheel frame (10)
13 and having a proximal end (21), a distal end and a rear wheel well (23)
14 formed near the distal end;
15 a rear wheel (24) rotatably mounted in the rear wheel well (23)
16 in the rear wheel bracket (20); and
17 a shock-absorbing device (30) attached pivotally to the rear end of
18 the wheel frame (10) and the rear wheel bracket (20) at an angle other than
19 perpendicular.
20 2. The in-line skate with a shock-absorbing device as claimed in
21 claim 1, wherein the wheel frame (10) further has:
22 a middle recess (14) defined at the middle between the front
23 end and the rear end of the wheel frame (10) and forms two outer walls;
24 two pin holes (15) defined respectively in the two outer walls

1 and aligned with each other; and
2 a pivot pin (16) mounted in the pin holes (15); and
3 the proximal end (21) of the rear wheel bracket (20) pivotally
4 mounted in the middle recess (14) and having a through hole (22) defined in
5 the proximal end (21) to align with the pin holes (15) in the wheel frame (10)
6 through which the pivot pin (16) passes through to pivotally attach the rear
7 wheel bracket (20) to the wheel frame (10).

8 3. The in-line skate with a shock-absorbing device as claimed in
9 claim 1, wherein

10 the wheel frame (10) further has an eye bracket (13) formed on the
11 bottom of the wheel frame near the middle recess (14) between the middle
12 recess (14) and the rear end of the wheel frame (10);

13 the rear wheel bracket (20) further has
14 a vertical limit formed on a top of the rear wheel bracket (20)
15 between the proximal end (21) and the distal end; and
16 an eye bracket (26) formed on the top of the wheel bracket
17 (20) forward of the vertical limit;

18 the shock-absorbing device (30) having a proximal end, a distal end,
19 two pivot pins (33, 34) and two eyes (31, 32) formed respectively on the
20 proximal and distal ends and pivotally attached respectively to the eye
21 brackets (13, 26) with the pivot pins (33, 34).

22 4. The in-line skate with a shock-absorbing device as claimed in
23 claim 3, wherein the shock-absorbing device (30) is a spring shock absorber.

24 5. The in-line skate with a shock-absorbing device as claimed in

1 claim 3, wherein the rear wheel bracket (20) further has a brake (25) attached
2 to the distal end of the rear wheel bracket (20).

3 6. The in-line skate with a shock-absorbing device as claimed in
4 claim 5, wherein the brake (25) is a cylindrical abrasive block made of
5 rubber.